

| L Number | Hits | Search Text | DB | Time stamp |
|----------|-------|--|---------------------------|------------------|
| - | 487 | electrostatic adj transducer | USPAT; JPO; DERWENT | 2004/01/20 15:09 |
| - | 146 | electrostatic adj speaker | USPAT; JPO; DERWENT | 2004/01/20 15:10 |
| - | 264 | electrostatic adj (speaker or loudspeaker) | USPAT; JPO; DERWENT | 2004/01/20 15:09 |
| - | 8124 | acoustic adj transducer | USPAT; JPO; DERWENT | 2004/01/20 15:09 |
| - | 2262 | sound adj transducer | USPAT; JPO; DERWENT | 2004/01/20 15:09 |
| - | 616 | microphone adj transducer | USPAT; JPO; DERWENT | 2004/01/20 15:10 |
| - | 138 | electrostatic adj microphone | USPAT; JPO; DERWENT | 2004/01/20 15:10 |
| - | 11446 | (electrostatic adj transducer) or (electrostatic adj speaker) or (electrostatic adj (speaker or loudspeaker)) or (acoustic adj transducer) or (sound adj transducer) or (microphone adj transducer) or (electrostatic adj microphone) | USPAT; JPO; DERWENT | 2004/01/20 15:22 |
| - | 774 | 381/113,116,191,174.ccls. | USPAT; JPO; DERWENT | 2004/01/20 15:11 |
| - | 215 | ((electrostatic adj transducer) or (electrostatic adj speaker) or (electrostatic adj (speaker or loudspeaker)) or (acoustic adj transducer) or (sound adj transducer) or (microphone adj transducer) or (electrostatic adj microphone)) and 381/113,116,191,174.ccls. | USPAT; JPO; DERWENT | 2004/01/20 15:11 |
| - | 1890 | 29/592.1,594,609.1.ccls. | USPAT; JPO; DERWENT | 2004/01/20 15:14 |
| - | 37 | 381/113,116,191,174.ccls. and 29/592.1,594,609.1.ccls. | USPAT; JPO; DERWENT | 2004/01/20 15:19 |
| - | 0 | 381/113,116,191,174.ccls. and (pcb with stator) | USPAT; JPO; DERWENT | 2004/01/20 15:19 |
| - | 73 | ((electrostatic adj transducer) or (electrostatic adj speaker) or (electrostatic adj (speaker or loudspeaker)) or (acoustic adj transducer) or (sound adj transducer) or (microphone adj transducer) or (electrostatic adj microphone)) and 29/592.1,594,609.1.ccls. | USPAT; JPO; DERWENT | 2004/01/20 15:19 |
| - | 1 | ((electrostatic adj transducer) or (electrostatic adj speaker) or (electrostatic adj (speaker or loudspeaker)) or (acoustic adj transducer) or (sound adj transducer) or (microphone adj transducer) or (electrostatic adj microphone)) and 381/113,116,191,174.ccls.) and ((circuit adj board) with stator) | USPAT; JPO; DERWENT | 2004/01/20 15:22 |
| - | 10 | ("1844219" "3668336" "4122302" "D302979" "5369701" "5392358" "5533129" "6035962" "6175636" "6188772").PN. | USPAT | 2004/01/20 15:20 |
| - | 0 | 6201874.URPN. | USPAT | 2004/01/20 15:26 |
| - | 13 | ("1747952" "1764008" "1782278" "1799053" "1809754" "1839130" "1844219" "1851240" "1859170" "2864899" "3859477" "4041446" "4284921").PN. | USPAT | 2004/01/20 15:26 |
| - | 1 | 1839130.URPN. | USPAT | 2004/03/03 14:16 |
| - | 297 | speaker and (magnetic adj circuit) and coil and damper and diaphragm | USPAT; JPO; DERWENT | 2004/03/03 14:18 |
| - | 26 | (speaker and (magnetic adj circuit) and coil and damper and diaphragm) and jig | USPAT; JPO; DERWENT | 2004/03/03 14:18 |

| | | | | |
|---|----|---|-------|------------------|
| - | 10 | ("2084945" "3456755" "3801943" "4118605" "4132872" "4387275" "5042072" "5590210" "5734132" "5933508").PN. | USPAT | 2004/03/03 14:19 |
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1 **A high fidelity small-sized loudspeaker**
Sato, K.; Takewa, H.; Iwasa, M.; Kikkawa, T.;

 Consumer Electronics, IEEE Transactions on , Volume: 43 , Issue: 3 , Aug. 1999
 Pages:972 - 979

[\[Abstract\]](#) [\[PDF Full-Text \(736 KB\)\]](#) **IEEE JNL**
2 **Rectangular loudspeaker by tuck shape PVDF bimorph**
Ohga, J.; Matsushita, K.; Takei, T.; Moriyama, N.;

 Electrets, 2002. ISE 11. Proceedings. 11th International Symposium on , 1-3 2002
 Pages:231 - 234

[\[Abstract\]](#) [\[PDF Full-Text \(330 KB\)\]](#) **IEEE CNF**
3 **Piezoelectric cantilever microphone and microspeaker**
Seung S. Lee; Ried, R.P.; White, R.M.;

 Microelectromechanical Systems, Journal of , Volume: 5 , Issue: 4 , Dec. 1999
 Pages:238 - 242

[\[Abstract\]](#) [\[PDF Full-Text \(588 KB\)\]](#) **IEEE JNL**
4 **Piezoelectric microspeaker with compressive nitride diaphragm**
Seung Hwan Yi; Eun Sok Kim;

 Micro Electro Mechanical Systems, 2002. The Fifteenth IEEE International Conference on , 20-24 Jan. 2002
 Pages:260 - 263

[\[Abstract\]](#) [\[PDF Full-Text \(476 KB\)\]](#) **IEEE CNF**

5 Electrostatically Excited Diaphragm Driven As A Loudspeaker*Rangsten, P.; Smith, L.; Rosengren, L.; Hok, B.;*Solid-State Sensors and Actuators, 1995 and Eurosensors IX. Transducers '95
8th International Conference on , Volume: 1 , June 25-29, 1995

Pages:430 - 433

[\[Abstract\]](#) [\[PDF Full-Text \(316 KB\)\]](#) **IEEE CNF****6 Second order Volterra inverses for compensation of loudspeaker nonlinearity***Schurer, H.; Slump, C.H.; Herrmann, O.E.;*Applications of Signal Processing to Audio and Acoustics, 1995., IEEE ASSP
Workshop on , 15-18 Oct. 1995

Pages:165 - 168

[\[Abstract\]](#) [\[PDF Full-Text \(316 KB\)\]](#) **IEEE CNF****7 Microengineered systems for the hearing impaired***Birch, T.S.; Harradine, M.A.; Stevens, J.C.;*

Medical Applications of Microengineering, IEE Colloquium on , 31 Jan 1996

Pages:2/1 - 2/5

[\[Abstract\]](#) [\[PDF Full-Text \(304 KB\)\]](#) **IEE CNF****8 An approach to integrated electret electroacoustic transducer. Experimental digital microphone***Yasuno, Y.; Riko, Y.;*Electrets, 1999. ISE 10. Proceedings. 10th International Symposium on , 22-
Sept. 1999

Pages:727 - 730

[\[Abstract\]](#) [\[PDF Full-Text \(272 KB\)\]](#) **IEEE CNF****9 A micro-machined loudspeaker for the hearing impaired***Harradine, M.A.; Birch, T.S.; Stevens, J.C.; Shearwood, C.;*Solid State Sensors and Actuators, 1997. TRANSDUCERS '97 Chicago., 1997
International Conference on , Volume: 1 , 16-19 June 1997

Pages:429 - 432 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(364 KB\)\]](#) **IEEE CNF**

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